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Eastern Associated Coal Corp. starts new preparation plant Jun 39
EJC reports decreased demand for engineers Aug 32
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Five companies co-ordinate efforts on huge exploration program Jul 30
Florida phosphate enters Canada market area May 39
Ford Motor Co. will build \$40 million taconite pellet plant in Minnesota Jun 35
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Geological Survey appoints new Chief Geologist Nov 36
Gulf Design awarded multi-million dollar Florida phosphate contract Aug 33

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K

Kaiser Steel signs ore contract with Japan Jan 18
Kaiser Steel orders world's largest pelletizing machine Apr 34
Kaiser buys Standard Magnesium Apr 39

Kaiser Steel amends contract with Mitsubishi International Jun 35
Kaiser Steel's Eagle Mountain pelletizing plant now under construction will double planned output Aug 28
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Kaiser—domestic and international-fused into one division again Oct 47
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Lavino to build manganese crushing plant Feb 36
Lead and zinc prices have 16 rise Nov 36
LeTourneau gives out original paintings commissioned for the mining industry Jul 34
Liberian iron ore project reports mid-year profit Oct 43
Lightweight trailer for high-speed pneumatic unloading Jul 39
Link-Belt designs continuous bucket elevator for barge unloading Jul 37
Louisville & Nashville Railroad Co. to produce giant hopper cars Jan 22

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Marine Diamond Corp. makes nominal profit in first year Jun 39
Mattagami Lake Mines, Ltd opens zinc refinery near Montreal Jan 20
Mauretania copper negotiations to resume Mar 22
Meramec Mining Co.'s Pea Ridge mine dedicated May 28
Mexico to produce magnesium oxide from sea water Sept 36
Mine mouth generating station Apr 39
Minnesota will be site of three large taconite plants Dec 49
Molybdenum Corp. to start operations in New Mexico Jun 39
Molybdenum Corp. plans \$32.5 million financing Oct 49
Monsanto triples elemental phosphorus production in Idaho May 28

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National Lead and Bunker Hill to develop large lead-zinc orebody Jul 39
NCA calls for end of "Favorite Son" status enjoyed by atomic energy Apr 34
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New Jersey Standard may buy Potash Co. Nov 36
Newmont arranges financing of \$55 million copper project in British Columbia Aug 29
New Park Mining Co. to start mining silver-lead discovery near Salt Lake City Dec 42
New Zealand zinc discovery—production to start next year Oct 43
North Friends Station mine to be revamped Mar 23
No. 2 Western Deep shaft back into operation Mar 23

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Oil Shale Corp. announces 1967 as target date for first commercial plant but gets involved in suit Aug 32
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Ontario, site of prospecting boom 45
Overseas Mineral Resources Development Co. to mine zinc in Bolivia Jan 18

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Pacific Basin common market (first step towards it) Nov 36
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Phelps Dodge continues diversification program Apr 34
Pilot Knob lets shaft sinking contract Nov 36

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Quebec to have iron ore pellet plant Jun 35

Queensland Alumina Ltd granted \$117 million for the financing of Australian refinery Jun 3

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Reactive Metals, Inc. formed Reserve Mining Co. establishes safety record Mar 23
Reserve Mining Co.'s Babbitt miners receive nation's top mining safety award Aug 28
Reynolds Metals to undertake Company wide additions and improvements program Sept 27
Rochester & Pittsburgh Coal Co. starts new mine for Keystone Apr 34

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Silver and gold exploration enhanced Jan 20
Sixty-mile-long "Picket Fence" erected across Antarctic Plateau Jul 44
Sohio Oil enters oil shale venture Jun 21
Southeast Missouri to get large iron ore mine and pellet plant Oct 40
Steel capital outlays in 1964 to reach \$1.5 billion Mar 20
St. Joseph Lead celebrates 100th year and gears for future Mar 20
St. Joseph receives Hundred Year Assoc. plaque Jul 36
St. Joseph Lead Co. receives award for outstanding annual report Nov 48
Sweden reports cheaper way of producing pig iron Apr 38
Sweden inaugurates iron ore port Aug 33

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Tanker launched for US—Europe sulfur run Jul 34
Texas Gulf Sulphur acquires new carrier Mar 23
Texas Gulf Sulphur announces Timmins discovery May 28
Texas Gulf Sulphur starts phosphate mining in North Carolina May 31
Texas Gulf Sulphur denies claims of Canadian companies on its Timmins discovery Jul 36
Texas Gulf Sulphur to start 2,000,000-ton-per-year operation at Timmins Aug 28
Timmins area has 45 drill rigs in action Sept 33

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Union Carbide and AEC sign stretch-out concentrate purchase contract Jun 42
UN special funds to help determine mineral potential of Madagascar Oct 40
UN special funds to train engineers and geologists in Indonesia Dec 42
US Borax & Chemical and Homestake Mining to start joint potash venture Jul 38
US Geological Survey celebrates 85th anniversary Apr 39
US Smelting contracts two vertical shafts for its copper ore discovery Sept 43
US Smelting reports copper find Dec 42
US Steel Corp. to build cement production facilities May 34
US Steel Corp. develops plastic insulation for ore and coal Apr 34
Utah Construction & Mining Co. acquires interest in development company Jan 18
Utah mining man named Deputy Director Mar 29

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Vanadium to buy from Anglo American Nov 45

W

Weipa bauxite mining operations to start expanding soon Nov 45
West Driefontein drilling for sinkholes Jan 22
Western Australian prospecting venture to be conducted by seven companies Aug 29
West Germany receives Sahara iron ore Feb 33
West Virginia has new coal complex Feb 33
A. G. Wild & Co. Ltd grants US manufacturing license Jun 31
Wisconsin zinc deposits tested Feb 33

PART II. SME News Items

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| Ad Hoc Committee on Student Chapters | Apr 93 |
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| Aerial water pollution reconnaissance | Sept 90 |
| AIME Annual Meeting, see Meetings. | |
| AIME Board of Directors | Apr 89, 93, Aug 75 |
| AIME officer nominations for 1965 | Jul 290 |
| AIME program help for sections | Jun 98 |
| AIME Publications: | |
| Prices for 1964 | Jan 71 |
| SME Fall Meeting—VII IMPC Preprint Volume, 1964 | Aug 70 |
| SME preprints, 1964 Annual Meeting | Mar 82, Apr 38, Jul 282 |
| SME Preprints, 1964 SME Fall Meeting | Oct 16 |
| SME Transactions (abstracts) | Jun 33, Sept 41 |
| AIME Section Meetings, see Section Meetings. | |
| Alabama, University of: | |
| Mine roof control course | Mar 70 |
| American Chemical Society Henry H. Storch Award | Jul 285 |
| American Mining Congress: | |
| Coal Preparation Committee | May 93 |
| Coal Show | Jul 302 |
| Mullins, R. A. | Jan 77 |
| American Society for Engineering Education | Jan 72 |
| American Society of Photogrammetry | Jan 75 |
| Anaconda Co. | Jan 72 |
| Arizona, University of: | |
| College of Mines establishes Department of Mining & Geological Engineering | Nov 95 |
| Damon, Paul E. | Jan 72, Dec 107 |
| Fossil pollen research | Apr 97 |
| Geochronology research | Jan 72, Dec 107 |
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| Awards: | |
| AIME awards at National Science Fair—International | Jul 114, Aug 286 |
| Burnhart, Vincent N. | Jul 286, Aug 100 |
| Colorado School of Mines Distinguished Achievement Medal | Jul 286, Aug 72 |
| Crabtree, Edwin H., Jr. | Aug 72 |
| Defense Department Distinguished Civilian Service Award | Sept 85 |
| Fritz Medal, 1965 | Sept 86 |
| Harding Award, 1964 | Apr 95 |
| Hardy, Carroll Foster | Dec 101 |
| Harrison, James M. | Jan 71 |
| Kappel, Frederick R. | Sept 86 |
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| Kemp Medal, Columbia | Jan 71 |
| Lawson, Walter C. | Feb 124 |
| Mather, Katharine | Sept 85 |
| McLaughlin, Donald H. | Jun 97 |
| Meisel, George M. | Sept 85 |
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| Ordoñez, George | Aug 72 |
| Pelee Award, 1964 | Jan 70 |
| Percy Nichols Award, 1964 | Dec 101 |
| Ruff, Arthur W. | Jan 70 |
| Saunders Medal | Feb 124 |
| SME Best Presented Paper Award | Jan 74, Apr 89, Sept 85 |
| Storch Award | Jul 285, Oct 118 |
| Ware, Louis M. | Apr 95 |
| Wender, Irving | Oct 118 |
| Wills, James D. | Aug 70 |

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| Bain, Edgar C. | Jan 69 |
| Benedict, C. Harry | Jun 101 |
| Books: | |
| Notices | |
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| State publications: | |
| Ala. | Jun 11 |
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| Government publications: | |
| USBM | Jan 6, Feb 10, Jul 22, Aug 9, Nov 20, Dec 16 |
| USGS | Jul 22, Nov 20 |
| Bridgeport, University of: | |
| Advanced metallurgy courses for Connecticut engineers at Anaconda American Brass Research Center | |
| Bylaws, AIME, Changes | Nov 95, Aug 75 |

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| Cat litter market | Oct 122 |
| Central Appalachian Section scholarships | Jan 73 |
| Chicago aerial survey | Jan 75 |
| Chile Mines Division scholarships for New Mexico students | May 90, Jul 287 |
| Clay Minerals Society | Jan 71, Feb 134, May 86 |
| Climax Molybdenum Co. grant to Colorado School of Mines | Apr 98 |
| Coal Division: | |
| Coal Division scholarships | Nov 95 |
| Coal Preparation reference book | Dec 101 |
| Officer nominations for 1965 | Jul 297 |
| Percy Nichols Award given posthumously to C. F. Hardy | Dec 101 |
| Coal Division News: | |
| Jan 77, Feb 133, Apr 96, May 93, Jun 100, Jul 297, Oct 121, Dec 101 | |
| Cole, Sanford S., 1964 SME President | Mar 1 |
| Colorado School of Mines: | |
| Climax Molybdenum Co. grant for presplit blasting research | Apr 98 |
| Distinguished Achievement medals | Jul 286, Aug 72 |
| Explosives research grant | Jan 72 |
| Geochemistry exploration summer course | Apr 97 |
| High-speed computer facility | Dec 107 |
| Honors Convocation, 1st | Jul 288 |
| Institute of Extractive Metallurgy | Jan 73, Mar 70 |
| Rinehart, John S. | Jan 72 |
| State coal reserve maps | May 90 |
| Colorado, University of: | |
| Cooperative engineering education program with University of Illinois | Aug 72 |
| Columbus University: | |
| Engineering School Centennial | Apr 97 |
| Henry Krumb School of Mines Centennial | Jan 77, Apr 71 |
| Kemp Medal | Jan 71 |
| Monell Prize awarded to Donald H. McLaughlin | Jun 97 |
| Comibol cooperates with University of Minnesota on new beneficiation process | Nov 95 |
| Committee on National Affairs, AIME | Aug 75 |
| Continuing education | Oct 120 |
| Council of Education, AIME | Feb 124, Oct 120 |
| Council of Section Delegates, AIME | Aug 75 |

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| Design of Bins for Bulk-Solid Flow, Short Course | Sept 85 |
| Engineering Societies Personnel Service: | |
| Kelly, Walter L., appointed executive director | Sept 86 |
| Stewart, Richard M. | Jun 93 |
| Engineers' Council for Professional Development: | |
| Annual report, 31st | Mar 69 |
| Citation for NYU-WNBC TV Engineering Series | Jun 93 |
| Education and Accreditation Committee | Aug 76, Nov 92 |
| Engineers Joint Council: | |
| Engineering Manpower Commission Survey | Oct 125 |
| Government Liaison Committee | May 94 |
| Progress report | Nov 92 |
| Evangeline Section of AIME Continuing Education Program | Oct 120 |

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| Federal engineering job standards | Feb 128 |
| Fetters, Karl L., 1964 AIME President | Feb 48 |
| Florida Section of AIME: | |
| Scholarship donation to Polk Junior College | Dec 104 |

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| Freshman Engineering Enrollments, 1963 | Apr 97 |
| Frick, Thomas C. | Aug 76 |

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| Geological maps | Feb 134 |
| Georgia Institute of Technology: | |
| Engineering management course | Nov 89 |
| Geoscience Department | Jul 286 |
| AGI, 8th | Sept 97, Oct 130 |
| Gillson, Joseph L. | Mar 71 |
| Graduates, mining, list for 1964 | Dec 96 |
| Gravel transportation | Feb 96 |

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| Hadden, W. F., AIME Public Relations Director | Apr 90 |
| Haider, Michael L. | Jan 69 |
| Harrison, James M., Kemp Medal | Jan 71 |
| Harvard University: | |
| Hoffman Laboratory of Experimental Geology | Feb 129 |
| Henry Krumb School of Mines Centennial | Jan 77, Apr 86 |
| Hercules Powder Co. grants for education, 1964 | May 90 |
| Hoffman Laboratory of Experimental Geology | Feb 128 |
| Honorary Members of AIME | Jan 69 |
| Hoover, Herbert C. | Nov 90 |

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| Illinois, University of: | |
| Cooperative engineering education program with University of Colorado | Aug 72 |
| Imperial Valley steam well | Mar 67 |
| Indonesian Institute of Technology: | |
| Request for back SME periodicals | Dec 107 |
| IndMD Newsletter: | |
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| Industrial Minerals Division: | |
| Executive Committee Meeting | Aug 74, Dec 99 |
| Officer nominations for 1965 | Jul 285 |
| Officers and committees, 1964 | Mar 67 |
| Industrial minerals in Latin America | Mar 67 |
| Industrial productivity | May 91 |
| Institute of Extractive Metallurgy | Jan 73, Mar 70 |
| Interstate Highway System | Aug 74 |

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| Lawson, Walter C., Saunders Medal | Feb 124 |
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| Mackay School of Mines: | |
| First University of Nevada Ph.D. conferred on Roger B. Morrison | Jul 287 |
| History of Geology Conference for College Teachers | Mar 70 |
| Khouri, Jean Nicolas | Jan 72 |
| Ryall, Alan S., appointed to seismology staff | Jun 102 |
| Magnussen, Nils H. | Jan 69 |
| Maricopa Subsection of AIME: | |
| Gift to United Engineering Center Building Fund | Oct 124 |
| Mawby, Sir Maurice Alan Edgar | Jan 69 |
| MBD Digest | Jul 298 |
| Meetings: | |
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| AIME Annual Meeting, 1965 | |
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| Alaskan Science Conference | Jul 285 |
| American Mining Congress, 1964 | Nov 93 |
| AMC Coal Division Meeting | Jan 77 |
| AMC Coal Show | Jul 302 |
| Arizona Section Annual Meeting, 1963 | Feb 126 |
| Arizona Section Annual Meeting, 1964 | Nov 89 |

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| Canadian Symposium on Rock Mechanics, 3rd | Aug 70 | Mining and Exploration Division: | Maricopa Subsection of Arizona Section |
| CENTO Mining Geology and Base Metals Symposium, Turkey | Dec 94 | Geophysics Unit Committee | Mar |
| Chemical & Extraction Metallurgy Symposium on Recent Progress in Research, Australia | May 86 | Officer nominations for 1965 | Mar |
| Clay Minerals Conference, 13th N. American | May 86 | Officers, 1964 | May |
| Coal Division Field Meeting, 1964 | Mar (program) 63, Jun 94 | Rock Mechanics Unit Committee | May |
| Coal Division Field Meeting, 1965 | Dec 93 | Science & Engineering Coordinating Committee | May |
| Coal Mining Institute of America, 77th Annual | Feb 101 | Minnesota, University of: | May |
| Commonwealth Mining & Metallurgical Congress, 8th | Apr 133 | New beneficiation process to be developed with Comibol | May |
| Consulting Engineers 1st National Convention | Mar 68 | Reserve Mining Co. fellowship | May |
| Council of Economics | Feb 124 | Missouri, University of, at Rolla: | May |
| Geological Society of Alabama Field Trip | Nov 93 | Haas, Charles J., joins faculty | May |
| Geological Society of America Annual Meeting | Jun 93 | New name | May |
| History of Geology Conference for College Teachers | Mar 70 | Mitchell, David R. | May |
| Illinois Mining Institute, 72nd Annual Meeting | Dec 94 | Montana School of Mines: | May |
| International Coal Preparation Congress, 5th (1966) | Dec 95 | Scholarships | May |
| International Geological Congress, New Delhi | Apr 88 | | May |
| International Minerals Processing Congress, VII, see SME Fall Meeting | May 92 | | May |
| International Strata Control and Rock Mechanics Conference, 4th | Jan 77 | | May |
| International Symposium on Applications of Statistics, Operations Research, and Computers in the Mineral Industry, 1964 | Jan 95 | | May |
| Joint Engineering Management Conference, 12th | May 71 | National Academy of Engineering seeks Congressional charter | May |
| Joint Meeting of Central Appalachian Section of AIME and West Virginia Coal Mining Institute | Oct 87 | National Engineers' Week, 1964 | May |
| Joint Meeting of Minnesota Section of AIME, University of Minnesota Mining Symposium, and CIM, 1964 (report) | Mar 66 | National Power Survey of the Federal Power Commission | May |
| Joint Meeting of Minnesota Section of AIME and University of Minnesota Mining Symposium, 1965 (program) | Dec 93 | National Society of Professional Engineers | May |
| Minerals Symposium, 9th | Apr 90, Sept (report) | New Mexico, University of: | May |
| National Safety Congress, 52nd | Aug 79 | AIME Student Chapter officers, 1964 | May |
| National Science Fair-International Off-the-Record Meeting, 1963 | Jan 77 | New York Trap Rock Corp. supports Penn State work-study program | May |
| Off-the-Record Meeting, 1964 | Oct 86 | New York University: engineering WNBC-TV series | May |
| Oil Shale Symposium, 1st | Apr 94 | | May |
| Oil Shale Symposium, 2nd | Sept 86 | | May |
| Opencast Mining, Quarrying & Alluvial Mining Symposium, London | May 66 | | May |
| Operating Metallurgy Conference, 1st | May 66 | O | May |
| Pacific Northwest Metals & Minerals Conf. and Western Meeting of CIM, 1964 | Aug 86 | Ocean mineral resources | Sept |
| Pacific Southwest Mineral Industry Conference, 1965 | Jul 285 | Old brick | Sept |
| Rock Mechanics Symposium, 6th | May 86, Oct (program) 118, Dec (report) | Operating Committee, AIME | Sept |
| Rock Mechanics Symposium, 7th | Jul 285 | | Sept |
| Rocky Mtn. Mineral Law Institute, 10th Annual | Jun 93 | | Sept |
| SME Fall Meeting and VII International Minerals Processing Congress | Mar (program) 64, Apr 87, May 89, 102, Jun (program) 81, 100, Jul (abstracts) 128, Aug (abstracts) 61, Dec 96 | P | Sept |
| Southwest Metals and Minerals Conference, 1964 | Mar (program) 63, Jul (report) 300, Sept 90 | Personson, Elmer | Sept |
| Southwest Metals and Minerals Conference, 1965, see Pacific Southwest Mineral Industry Conference | Mar (program) 63, Jul (report) 300, Sept 90 | Pennsylvania State University: | Sept |
| Symposium on Methods of Working Thick Coal Seams, Dhanbad, India | Jul 285 | Guest lectures in mineral economics | Sept |
| Symposium on the Economic Importance of Minerals from the Sea | Sept 90 | Rock mechanics short course | Sept |
| Symposium on Salt, 2nd | May 91 | Stefanko, Robert | Sept |
| WAIME Annual Meeting, 1964 | Jan 71 | Work-study program with N. Y. Trap Rock Corp. | Sept |
| Water & Geology Conference | Mar 69 | Pile driving | Sept |
| Western Mining Conference, 1965 | Dec 95 | Pipelines | Sept |
| Mexican Geothermal Wells | Aug 74 | Pipeline for potash | Sept |
| Michigan Technological University: | Feb 128 | R | Sept |
| NSF grant for earth science teachers' summer courses | Mar 69 | Registration of geologists | Sept |
| Ores Research Lab renamed for C. Harry Benedict | Jun 101 | Rentable engineers and draughtsmen | Sept |
| Short Course on Use of Computers in Metallurgical Engineering | Mar 68 | Reserve Mining Co. fellowship | Sept |
| Minerals Beneficiation Division: | Officer nominations for 1965 | Restoration of mined lands | Sept |
| | Jul 298 | Rhodes, Eugene Manlove | Sept |
| | | Apr 85, Jun 42, Sept 90, Oct 122, Nov 94 | Sept |
| | | Rock in the Box: | Sept |
| | | May 88, Jun 99, Jul 294, Aug 76, Oct 100, Nov 123, Nov 93, Dec 100 | Sept |
| | | Rock mechanics-state of the art | Sept |
| | | Rock Mechanics Committee, call for papers | Sept |
| | | Rosenblatt, Joseph | Sept |
| | | Ruff, Arthur W., Pelee Award | Sept |
| | | Rutgers University: Industrial water purification course | Sept |
| | | S | Sept |
| | | Sales, Rene H. | Sept |
| | | Section Meetings: | Sept |
| | | Adirondack Section | Sept |
| | | Mar 78, Jun 105, Sept 91, Nov 96, Dec 104 | Sept |
| | | Ajo Subsection of Arizona Section | Sept |
| | | Jan 79, Mar 76, Jun 104, Aug 78 | Sept |
| | | Alaska Section | Sept |
| | | Arizona Section | Sept |
| | | Associated Miners of Utah | Sept |
| | | Bisbee-Douglas Subsection of Arizona Section | Sept |
| | | Feb 131, Jun 104 | Sept |
| | | Carlsbad Potash Section | Sept |
| | | Colorado Section | Sept |
| | | Central Appalachian Section | Sept |
| | | Central New Mexico Section | Sept |
| | | Chicago Section | Sept |
| | | Jan 80, Feb 130, Apr 100, Jun 101, Jul 304, Dec 104 | Sept |
| | | Coeur d'Alene Subsection of Columbia Section | Sept |
| | | Feb 132, Mar 78 | Sept |
| | | Colorado Plateau Section | Sept |
| | | Mar 78, Jun 105, Aug 78, Sept 92 | Sept |
| | | Columbia Section | Sept |
| | | Drill and Crucible Club (Student Chapter of S. Dakota School of Mines) | Sept |
| | | El Paso Section | Sept |
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| | | Lehigh Valley Section | Sept |
| | | May 75, Jun 105, Aug 78 | Sept |
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| | | Ultra Marbles Co. | Sept |
| | | Unit train, short haul | Sept |
| | | U.S. Geological Survey: | Sept |
| | | Antarctic "fence" | Sept |
| | | Publications | Sept |
| | | U.S. Standards for Federal engineering jobs | Sept |
| | | V | Sept |
| | | Venezuela, Central University | Sept |
| | | Virginia Polytechnic Institute: | Sept |
| | | Coliner, R. M. appointed to faculty | Sept |
| | | W | Sept |
| | | WAIME: | Sept |
| | | Engineers for Tomorrow Program | Sept |
| | | Scholarship Loan Fund Program | Sept |
| | | Watana, Naotune | Sept |
| | | West Virginia University: | Sept |
| | | Coal preparation course | Sept |
| | | Wilkes College: | Sept |
| | | State grant for research on acid mine drainage water | Sept |
| | | Wisconsin, University of: | Sept |
| | | E. R. Shorey Library | Sept |
| | | WNBC engineering TV series | Sept |
| | | World's Fair, N. Y. | Sept |

